

27.080
McDonnell Aircraft

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

ST. LOUIS REGIONAL OFFICE
10805 Sunset Office Drive, Suite 100
St. Louis, MO 63127-1017
314-822-0101
Fax No. 314-822-0943

June 26, 1991

Joseph Haake
McDonnell Aircraft
Mail Code 0343530
P.O. Box 516
St. Louis, MO 63166-0516
(314) 232-3319

L.O.W. #91-SL.040

Dear Mr. Haake:

Enclosed, please find a report of a hazardous waste management inspection conducted June 19, 1991 by Mr. Richard Barnes of my staff on McDonnell Aircraft, Frost Avenue, St. Louis, Missouri.

Please note that the section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection, and outlines steps the inspector has determined will correct those violations.

In order to document that corrective actions have been taken, you are requested to submit a written response no later than July 29, 1991. The response should describe the steps taken to correct each of the unsatisfactory features identified. Please direct the response to Mr. Barnes. You should also forward a copy of your response and supporting documentation to Mr. Bruce Martin, Chief - Hazardous Waste Enforcement, Waste Management Program, P.O. Box 176, Jefferson City, MO 65102.

It is our purpose by this letter to persuade you to take all necessary actions to comply with the Missouri Hazardous Waste Management Law. Failure to achieve timely resolution of violations may result in the referral of this case for enforcement action by the Waste Management Program.

Should you have any questions, or wish to confer in this matter, please contact the St. Louis Regional Office at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck
Regional Administrator

RSPE/RAB/sh

Enclosure

c: Waste Management Program

WMP
Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation



R00136641
RCRA RECORDS CENTER



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RESOURCE CONSERVATION AND RECOVERY ACT
AND
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW
COMPLIANCE EVALUATION INSPECTION REPORT

Facility

McDonnell Aircraft (Frost Avenue)
Mail Code 0343530
P.O. Box 516
St. Louis, MO 63166-0516
(314) 232-3319

EPA ID #: MOD980968457
MO Generator ID: 004217

Participants

Department of Natural Resources

Richard A. Barnes
Environmental Specialist
St. Louis Regional Office

McDonnell Aircraft

Joseph Haake and
Annett C. Wagner
Environmental Compliance

Introduction

An inspection of McDonnell Aircraft, located at the above address, was conducted on June 19, 1991 by Mr. Richard A. Barnes of the Department of Natural Resources. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Waste Management Law (1977) as amended. The inspection was confined to facets of the operation relevant to hazardous waste management.

The inspection consisted of an opening conference followed by a facility tour. Records were reviewed and a closing conference was held to explain violations observed during the inspection.

Facility Description

McDonnell Aircraft has three shifts working five days a week. The facility has approximately 360,000 square feet and has been in operation at this site for six years. The Frost Avenue hazardous waste generator identification numbers include the generation from two buildings, an office building (#248) and a tooling building (#245).

Building #248 seldom produces hazardous waste, while building #245 produces a variety of waste streams. Building #245 is the location where tooling and fixtures are produced for fabrication of sheet metal aircraft components. This fabrication tooling is machined, assembled, and painted. Parts are then "fit tested." When complete, these fixtures are removed to production areas of the McDonnell Douglas Aircraft facility.

McDonnell Aircraft, Frost Avenue, is a large quantity generator of hazardous waste and has 20 to 30 employees involved in hazardous waste management. The hazardous waste streams generated by the facility are: (See attached manifests.)

1. A mixture of waste hydraulic oil (D098), waste oil from equipment maintenance (D098), waste solvent containing Tetrachloroethylene and/or Trichloroethylene (F001, F002, D039, D040) generated during air compressor and general equipment maintenance. Approximately 3,000 pounds are generated per month. This waste is transported by McDonnell Aircraft and fuel blended.
2. Waste ignitable solvents (F003, F005, D001, D007) generated from painting and metal cleaning operations. A small paint booth is used for hand brushing fixtures. Hand brushing of large pieces is also done in the shop. Approximately 1,900 pounds are generated per month. This waste is transported by McDonnell Aircraft and fuel blended.
3. Waste corrosive (D002) Alkaline cleaning solution and blue print developer solution generated in the blue print room of building #245. Approximately 300 pounds are generated per month. This waste is transported by McDonnell Aircraft to be treated for land disposal.
4. Waste cutting oil (D098) water emulsified cutting oil generated during machining operations in building #245. Approximately 15,000 pounds are generated per month. This waste stream is transported by Heritage to their facility in Indianapolis, Indiana, to be separated. The oil is then used in fuel blending.

Unsatisfactory Features

1. Hazardous waste container not labeled or marked, in violation of 10 CSR 25-5.262(2)(C)1 referencing 40 CFR 262.31 and 40 CFR 262.32 further referencing 49 CFR 172 Subpart D. The 345 gallon portable container used to remove and store cutting oil was not marked or labeled. The Missouri Hazardous Waste regulations require the containers to be labeled during the entire onsite storage period and the beginning date of accumulation is to be provided on the containers, indicating the day the waste was first placed into them. The facility must include this information on all containers of hazardous waste.
2. Greater than 55 gallons of hazardous waste in satellite storage, in violation of 10 CSR 25-5.262(c)3. The satellite storage area for waste corrosive in the print shop contained one full 55 gallon drum and one partial drum. Both drums had a start date of March 15, 1991. A generator may accumulate as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste in containers at or near the point of generation. The facility must not store over 55 gallons of waste at any one satellite point.

Should you have any questions regarding this report, please contact the St. Louis Regional Office.

Prepared by:



Richard A. Barnes
Environmental Specialist
St. Louis Regional Office

RAB/sh

LARGE QUANTITY GENERATOR CHECKLIST

Form LOG-INSP
(10-15-83)Name of Facility: MCDONNELL AIRCRAFT, FROSTDate: 6-19-91Address: 8900 FROST AVE

Other Inspections Done:

RR TRANS LDR
OTHER BERKLEY MD 63134Phone: (314) 232-3319 MO ID# 004217EPA ID# MOD980968457Facility Representative: JOSEPH HAAKETitle: SECTION Mgr.

Briefly describe manufacturing process(es). (Use continuation sheet, if needed.)

Fabrication of tooling, machining, assembly
and painting

List of wastes generated. (Use continuation sheet, if needed.)

Waste	Amount/Month	Disposition
1. <u>WASTE OIL w/ SOLVENTS</u>	<u>3,000 P</u>	<u>Fuel Blending</u>
2. <u>WASTE SOLVENTS</u>	<u>1,900 P</u>	<u>Fuel Blending</u>
3. <u>WASTE CORROSIVE</u>	<u>300 P</u>	<u>Treatment & Land disposal</u>
4. <u>WASTE CUTTINGS oil</u>	<u>15,000 P</u>	<u>Fuel blending</u>
5. <u> </u>	<u> </u>	<u> </u>

A. MANIFESTS AND RECORDKEEPING 10 CSR 25-5.262(2) AND 5.262(2)(B) AND (D)

Generator's MO and EPA I.D. Numbers. ✓

Manifest document number (MO I.D. & Shipment #). ✓

EPA Waste I.D. codes ✓

Generator's name, address, phone # ✓

All Transporters' names, phone #'s, MO and EPA I.D. #'s. ✓

Designated facility name, address, phone # and MO and EPA I.D. # ✓

Proper DOT Shipping Name, Hazard Class and I.D. #. ✓

Containers, Quantity and Unit Wt/Vol being shipped properly designated. ✓

Proper certification including waste minimization. ✓

Manifest properly signed and dated ✓

No more than 10 days time between generator and facility signatures. ✓

Manifests returned within 35 days. ✓

If not, exception generator report submitted within 45 days. ✓

Completed manifests and Summary Manifest Report and Certification. ✓

Spills of reportable quantities reported to DNR. ✓

B. PRETRANSPORT, CONTAINERIZATION AND LABELING 10 CSR 25-5.262(2) AND 5.262(2)(C)

Waste Packaged, marked and labeled per DOT during entire on-site storage period and prior to transport. ✓Placards available for use by transporters ✓Satellite accumulation requirements met (if applicable). ✓a. Stored in satellite areas less than 1 year. ✓b. Containers marked identifying contents and beginning date ✓c. Containers kept closed/compatible/good condition. ✓d. Quantities accumulated not exceeding 55 gal. (1 qt. acutely
hz. waste). ✓

C. STORAGE STANDARDS 10 CSR 25-5.262(2) AND 5.262(2)(C)2 AND 3

Facility inspected and maintained. ✓Date of accumulation marked. ✓Storage less than 90 days (unless small quantity generator). ✓

D. CONTAINER STORAGE 10 CSR 25-5.262(2) AND 5.262(2)(C)2

Containers in good condition ✓Containers kept closed in storage. ✓Containers storing incompatible waste separated or protected from each other. ✓Containers of ignitable or reactive waste stored > 50 feet from property line ✓Containers stored within a containment system (if applicable) meeting criteria of 10 CSR 25-5.262(2)(C)2.B. ✓

E. STORAGE TANKS 10 CSR 25-5.262(1) AND 5.262(2)(C)(2)(E).
See tank check list

2/5

F. PERSONNEL TRAINING 10 CSR 25-5.262(1)

Documentation of hazardous waste director's qualifications or training. 1
Completed classroom or on-the-job training. 1
Job title, description, and name of person filling position. 1
Written record of the type and amount of training given. 1
Documentation confirming that training has been given. 1

G. PREPAREDNESS AND PREVENTION 10 CSR 25-5.262(1) AND 5.262(2)(C)(2)(E).

Internal communication or alarm system. 1
Device in the hazardous waste operation area capable of summoning emergency assistance. 1
Fire control, spill control, and decontamination equipment available. 1
Adequate water supply for fire control equipment. 1
Adequate and proper safety equipment available. 1
Adequate aisle space. 1
Arrangements with local emergency agencies. 1

H. CONTINGENCY PLAN AND EMERGENCY PROCEDURES 10 CSR 25-5.262(2)

Contingency Plan. 1
Detailed description of procedures that personnel must implement to respond to fires, explosions, or releases of hazardous waste. 1
Describe formal arrangements with emergency agencies. 1
Name, addresses, and phone numbers (home & office) of emergency coordinators. 1
Emergency equipment including its description and location. 1
Evacuation plan if applicable. 1

I. WASTE OIL 10 CSR 25-11.010

Written waste oil contract maintained. 1
Waste oil properly stored and transported. 1

COMMENTS:

Inspector Signature & Title:

Office:

Richard A Barnes
S.L.R.D.

IN COMPLIANCE

IN VIOLATION OR
ABSENT

1
()



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. BOX 176 (314) 751-3176
JEFFERSON CITY, MISSOURI 66102

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET

PART II
OFFICE USE ONLY

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

Entries made on this page must summarize the total amount of waste transported off-site to an individual facility during the specified quarter. Separate sheets must be completed for each facility utilized.

SECTION F REPORT IDENTIFICATION

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-____ (YEAR) ☐ 12-31-____ (YEAR)
☒ 3-31-91 (YEAR) ☐ 6-30-____ (YEAR)

2. PAGE

2 OF 3

3. GENERATOR'S MISSOURI
ID NUMBER

0-0-4-2-1-7

SECTION G FACILITY IDENTIFICATION

4. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Heritage Environmental Services, Inc.

5. FACILITY'S EPA ID NUMBER

IND093219012

6. FACILITY SITE ADDRESS

7901 West Morris Street

7. FACILITY'S MISSOURI ID NUMBER

RRIN03

CITY

Indianapolis

STATE

IN

ZIP CODE

46231

SECTION H WASTE IDENTIFICATION

LINE	DESCRIPTION OF WASTE	DOT HAZARD CODE	EPA HAZARDOUS WASTE NUMBER	PREVIOUSLY REPORTED (SEE INST.)	TOTAL AMOUNT OF WASTE	UNIT OF MEAS.	SPECIFIC GRAVITY	MANUFG. CODE
1	Water-emulsified cutting oil	.	.....		45,320	P	.	T04
2		.	.....				.
3		.	.....				.
4		.	.....				.
5		.	.....				.
6		.	.....				.
7		.	.....				.
8		.	.....				.
9		.	.....				.
10		.	.....				.

SECTION I - TRANSPORTATION SERVICES UTILIZED

16. COMPANY NAME	17. MISSOURI ID NO.	18. USEPA ID NUMBER
a. Heritage Transport, Inc.	H-1464	IND058484114
b.	H-.....	.....
c.	H-.....	.....
d.	H-.....	.....

SECTION J - COMMENTS

19.

T04: Resource recovery



MISSOURI DEPARTMENT OF NATURAL RESOURCES

P. O. BOX 176

(314) 751-3176

JEFFERSON CITY, MISSOURI 65102

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET

PART II

OFFICE USE ONLY

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

Entries made on this page must summarize the total amount of waste transported off-site to an individual facility during the specified quarter. Separate sheets must be completed for each facility utilized.

SECTION F REPORT IDENTIFICATION

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- (YEAR)☐ 12-31- (YEAR)☒ 3-31-91 (YEAR)☐ 6-30- (YEAR)

2. PAGE

3 OF 3

3. GENERATOR'S MISSOURI
I.D. NUMBER

0 0 4 2 1 7

SECTION G FACILITY IDENTIFICATION

4. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

McDonnell Douglas Corporation - St. Louis

5. FACILITY'S EPA I.D. NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

6. FACILITY SITE ADDRESS

140 McDonnell Boulevard

7. FACILITY'S MISSOURI I.D. NUMBER

CITY

St. Louis

STATE

MO

ZIP CODE

63145

R R 0 2 6 8

SECTION H WASTE IDENTIFICATION

LINE	8 DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER	11. PREVIOUSLY REPORTED (SEE INST.)	12. TOTAL AMOUNT OF WASTE	13. UNIT OF MEAS.	14. SPECIFIC GRAVITY	15. HANDLING CODE
1	Oil contaminated with chlorinated solvents	1 3	F 0 0 1 F 0 0 2 D 0 3 9 D 0 4 0		9,345	P	.	S 0 1
2	Ignitable solvents from painting/metal cleaning	0 8	F 0 0 3 F 0 0 5 D 0 0 1 D 0 0 7		5,600	P	.	S 0 1
3			D 0 1 8 D 0 3 5 .				.	
4	Alkaline cleaning solution	0 2	D 0 0 2		900	P	.	S 0 1
5			.				.	
6			.				.	
7			.				.	
8			.				.	
9			.				.	
10			.				.	

SECTION I - TRANSPORTATION SERVICES UTILIZED

16. COMPANY NAME	17. MISSOURI I.D. NO.	18. USEPA I.D. NUMBER
a McDonnell Douglas Corporation	H - 1 0 3 9	M 0 D 0 0 0 8 1 8 9 6 3
b	H -
c	H -
d	H -

SECTION J COMMENTS

19.

INSTRUCTIONS FOR THE COM-
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SEPARATE SHEET.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE

U.S. COAST GUARD

1-800-524-8802

CHEM TREC

1-800-424-6300

DEPT. OF NATURAL RESOURCES

314-834-2435

Please print or type: (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0038, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0801800, St. Louis, Missouri 63166				
4. Generator's Phone (314) 232-1313		5. Transporter 1 Company Name		6. US EPA ID Number		
7. Transporter 2 Company Name		None		8. US EPA ID Number		
9. Designated Facility Name and Site Address		McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number		
11. US-DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol.	
a. RQ = 10 lbs. Waste ORM-A, N.O.S. (Contains Oil contaminated with Chlorinated Solvents) ORM-A NA1693 (P001, P002, D039, D040)		20 D.M.		110.50	G	
b. RQ = 10 lbs. Waste Flammable Liquid, N.O.S. (Contains Paint-related Material) Flammable Liquid UN1203 (P003, P005, D001, D007, D035)		14 D.M.		7.00	G	
c. RQ Waste Corrosive liquid, NOS Corrosive Material NA1719 (D001)		2 D.M.		100 K		
d. RQ Hazardous Waste liquid, NOS ORM-A NA1899 (ACW)		1 D.M.		50 K		
15. Special Handling Instructions and Additional Information						
"If unable to deliver to designated TSD facility, return to generator."						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
Annette C. Wagner		Annette C. Wagner		03/14/91		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
Richard Guyse		Richard Guyse		03/14/91		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
Item B deleted and added to Item A. (ACW) 4-11-91						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Date		
Annette C. Wagner		Annette C. Wagner		03/14/91		

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Waste Management Program
P.O. Box 178 Jefferson City, Missouri 65102
314-751-3178

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-6300
DEPT. OF NATURAL RESOURCES
314-834-2438

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M 0 0 9 8 0 8 6 8 4 5 7 0 0 0 7 2	Manifest Document No. 0 0 0 7 2	2. Page 1 of 1	Information in the shaded area is required by State law.
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0801200, St. Louis, Missouri 63166					
4. Generator's Phone (314) 232-3319					
5. Transporter 1 Company Name Heritage Transport, Inc.		6. US EPA ID Number I N D 0 6 1 5 8 1 4 1 1 1 4			
7. Transporter 2 Company Name None		8. US EPA ID Number			
9. Designated Facility Name and Site Address Heritage XXXX Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		10. US EPA ID Number I N D 0 1 1 9 1 3 1 2 1 1 9 0 1 1 2			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		0 0 1 T T	1 1 6 3 0	P	
b.					
c. B Perry 0801200					
d. — 064C					
15. Special Handling Instructions and Additional Information XX "If unable to deliver to designated TSD facility, return to generator."					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in full respect in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
TRANSPORTER	Printed/Typed Name Annette C. Wagner		Signature Annette C. Wagner		Month Day Year 01/11/91
	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Diane Lott		Signature Diane Lott		Date 01/11/91
	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date
FACILITY	19. Discrepancy Indication Space				
	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				
	Printed/Typed Name Tom Cunningham		Signature Tom Cunningham		Date 11/12/91

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 178 Jefferson City, Missouri 65108

314-751-3178

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-8300
DEPT. OF NATURAL RESOURCES
314-854-2438

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0036, Expires 9-30-81

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		M 0 0 9 3 0 9 5 8 4 5 7 0 0 0 2	1 of 1		
McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0801800, St. Louis, Missouri 63166					
4. Generator's Phone (314) 232-3319					
5. Transporter 1 Company Name		8. US EPA ID Number			
Heritage Transport, Inc.		I N D 0 5 8 4 8 4 1 1 4			
7. Transporter 2 Company Name		8. US EPA ID Number			
None					
9. Designated Facility Name and Site Address		10. US EPA ID Number			
Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		I N D 0 9 3 2 1 9 0 1 2			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		0, 0, 1 T, T 0 9 / S P			
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information					
"If unable to deliver to designated TSD facility, return to generator." Emergency Contact: (314)232-2285					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
TRANSPORTER	Printed/Typed Name		Signature		Month Day Year
	Annette C. Wagner		Annette C. Wagner		02 01 1991
	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date
	Printed/Typed Name		Signature		Month Day Year
JERRY KELLER		Jerry Keller		02 01 1991	
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date
	Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.					
Printed/Typed Name		Signature		Date	
Tom Cunningham		Tom Cunningham		12 12 1991	

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.
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SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Waste Management Program
P.O. Box 170 - Jefferson City, Missouri 64512
314-751-3170

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-6622
CH2C TRIC
1-800-464-6622
LIST OF MATERIALS TO BE
INCLUDED

HAZARDOUS WASTE MANIFEST

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Manifest Document No.		3. Date	
		M O D 9 8 0 9 6 8 4 5 7		P 0 0 7 4		1	
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0801800, St. Louis, Missouri 63166					
4. Generator's Phone (314) 232-3319							
5. Transporter 1 Company Name		6. US EPA ID Number					
Heritage Transport, Inc.		I N D 0 5 8 4 8 4 1 1 4					
7. Transporter 2 Company Name		8. US EPA ID Number					
None							
9. Designated Facility Name and Site Address		10. US EPA ID Number					
Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		I N D 0 9 3 2 1 1 9 0 1 2					
11. MS DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Container		13. Total Quantity		14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		0 0 1 T T		1 0 7 4 0		P	
c.							
15. Special Handling Instructions and Additional Information		"If unable to deliver to designated TSD facility, return to generator." Emergency Contact: (314) 232-2285					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport, fully according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name		Signature		Month		Day Year	
Annex C Wagner		Annex C Wagner		0 0 1 1 9 1		1 5 1 9 1	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month		Day Year	
Printed/Typed Name		Signature		Month		Day Year	
DON WEST		Don West		0 2 1 9 1		1 1 1 9 1	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month		Day Year	
Printed/Typed Name		Signature		Month		Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name		Signature		Month		Day Year	
Jeff M. Allister		Jeff M. Allister		1 2 1 9 1		1 2 1 9 1	

GENERATOR

TRANSPORTER

FACILITY

GENERATOR FINAL COPY - PART 2

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.
THIS DOCUMENT MUST BE USED
FOR ALL MISSOURI-DESTINED
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Waste Management Program
P.O. Box 178 Jefferson City, Missouri 65102
314-751-3178

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-6300
DEPT. OF NATURAL RESOURCES
314-634-2438

Please print or type (Form designed for use on elite (12-pitch) typewriter).

Form Approved. OMB No. 2050-0038, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of 1	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address: McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		4. Generator's Phone (314) 232-3319			
5. Transporter 1 Company Name: Heritage Transport, Inc.		6. US EPA ID Number UNID0158484114			
7. Transporter 2 Company Name: None		8. US EPA ID Number			
9. Designated Facility Name and Site Address: Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		10. US EPA ID Number UNID01932119012			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): a. Emulsified Cutting Oil (not regulated) DOT-E-9166		12. Containers 0.01 T.T.	13. Total Quantity 13.800	14. Unit P	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document XXXXXX 004217-0075 Emergency Contact: 314-232-2285 HES-282721					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small-quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Anne C. Wagner Signature: Anne C. Wagner Month Day Year: 6/3/89				
	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: DAVID REEL Signature: David Reel Month Day Year: 6/3/89				
	19. Discrepancy Indication Space				
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				
	Printed/Typed Name: Kevin Smith Signature: Kevin Smith Month Day Year: 6/3/89				

THIS DOCUMENT MUST BE USED
FOR ALL MISSOURI-DESTINED
SHIPMENTS.

314-751-3176

EMERGENCY RESPONSE
U S COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT OF NATURAL RESOURCES
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No	Manifest Document No.	2. Page	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, MO 63166		A. Missouri Manifest Document Number 01041217 010716	
4. Generator's Phone ()		Missouri		B. State Generator's ID - other 004217	
5. Transporter 1 Company Name		6. US EPA ID Number		C. MO. Transporter's ID	
Heritage Transport, Inc.		IND058484114		H-1464	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
None				317-241-9406	
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. MO. Transporter's ID	
Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		IND093219012		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		G. State Facility's ID	
a. Emulsified Cutting Oil Non regulated		0,0,1 T, T		IND093219012	
b.				H. Facility's Phone	
c.				317-243-0811	
d.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		I. Waste No.	
a. 308-7				EPA WASTE CODE	
b.				N/A	
c.					
d.					
15. Special Handling Instructions and Additional Information					
"If unable to deliver to designated TSD facility, return to generator." Missouri Document 004217-0076 Emergency contact: 314-232-2285					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
Annette C. Wagner		Annette C. Wagner		04/23/91	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
JERRY KELLER		Jerry Keller		04/23/91	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Date	
Kevin Smith		Kevin Smith		04/23/91	

FOR SALE—\$700.00. 1981 MAZDA HATCH 10. PREVIOUS EDITIONS ARE OBSOLETE.

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET

THIS DOCUMENT MUST BE USED
FOR ALL MISSOURI-DESTINED
SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOURCES
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M101D1918101916181415171010101717	Manifest Document No. 010101717	2. Page 1 of 1	Information in the shaded areas is required by State law.		
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box XXXXXXXX 516, MC 0343530, St. Louis, MO 63166				A. Missouri Manifest Document Number 01014217 0101717			
4. Generator's Phone (314) 232-3319				B. State Generator's ID - other 004217			
5. Transporter 1 Company Name Heritage Transport, Inc.		6. US EPA ID Number IND058484114		C. MO. Transporter's ID H-1464			
7. Transporter 2 Company Name None		8. US EPA ID Number		D. Transporter's Phone 317-241-9406			
9. Designated Facility Name and Site Address Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, Indiana 46231		10. US EPA ID Number IND093219012		E. MO. Transporter's ID			
				F. Transporter's Phone			
				G. State Facility's ID			
				H. Facility's Phone 317-243-0811			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Emulsified Cutting Oil XXXXXXXXXX non regulated				12. Containers -001	13. Total Quantity TT 1,248.0	14. Unit Wt/Vol. P	I. Waste No. EPA WASTE CODE N/A
b.							EPA WASTE CODE
c.							EPA WASTE CODE
d.							EPA WASTE CODE
J. Additional Descriptions for Materials Listed Above a. 308-7 MO ID 037				K. Handling Codes for Wastes Listed Above			
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." MK Missouri Document 004217-0077 Emergency contact: 314-232-2285							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name Annette C. Wagner		Signature Annette C. Wagner		Month Day Year 10/24/91			
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Howell Covington		Month Day Year 10/24/91			
Printed/Typed Name Howell Covington		Signature Howell Covington		Month Day Year 10/24/91			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Anthony P. Nebesny		Signature Anthony P. Nebesny		Month Day Year 10/24/91			

MISSOURI DNR FINAL COPY - PART 1
THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR.



MISSOURI DEPARTMENT OF NATURAL RESOURCES WASTE MANAGEMENT PROGRAM
P.O. BOX 176 (314) 751-3176
JEFFERSON CITY, MISSOURI 65102

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET

PART I
OFFICE USE ONLY

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

Regardless of whether any off-site shipment occurred, as a registered generator of hazardous waste, you must complete, sign, and transmit this form to the Department of Natural Resources.

SECTION A REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)

☒ QUARTERLY ☐ ANNUAL (NON-GENERATOR)

(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-____ (YEAR)

☐ 12-31-____ (YEAR)

☒ 3-31-91 (YEAR)

☐ 6-30-____ (YEAR)

3. PAGE

1 OF 3

SECTION B GENERATOR IDENTIFICATION

4. GENERATOR'S NAME

McDonnell Douglas Corporation

5. GENERATOR'S USEPA I.D. NUMBER

M·O·D·9·8·0·9·6·8·4·5·7

6. GENERATOR CONTACT PERSON (NAME)

Robert H. Kaatman

TELEPHONE NUMBER

314-232-3319

7. GENERATOR'S MISSOURI I.D. NUMBER

0·0·4·2·1·7

8. MAILING ADDRESS

P.O. Box 516, MC 0343530

CITY

St. Louis

STATE

MO

ZIP CODE

63166

9. PLANT ADDRESS

8900 Frost Avenue

CITY

St. Louis

STATE

MO

ZIP CODE

63134

10. NAME OF PARENT FIRM

McDonnell Douglas Corporation

OFFICE USE ONLY

SECTION C STATUS OF WASTE GENERATED (CHECK ONE)

11.

☒ SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

12.

☐ REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department.

13.

☐ REPORTABLE QUANTITY GENERATED BUT NO SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2).

SECTION D COMMENTS

14.

SECTION E CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

Robert H. Kaatman

SIGNATURE

Robert H. Kaatman

DATE

9 May 91